

Claims

1. A fire-resistant material based on an elastomeric foam with a substantially closed cell structure in which foam at least one crust-forming fire-retardant material and a pH neutralized graphite material are incorporated.
- 5 2. A material according to claim 1, wherein the flame extinguishing material has been selected from poly ammonium phosphate and melamine phosphate.
3. A material according to claim 1 or 2, wherein the graphite material expands at a temperature higher than 200°C.
- 10 4. A material according to any one of the preceding claims in the form of a plate-shaped or beam-shaped element.
5. A system for sealing off, at least during a fire taking place adjacent a wall, in a virtually entirely flame-tight manner and preferably also smoke-tight manner, an opening extending through this wall, through which a  
15 transporting device comprising for instance a cable, duct or pipe has been fed, the system being provided with elements manufactured from a fire-resistant material which expands under the influence of temperature increase, characterized in that the elements are manufactured from the foam according to any one of the preceding claims.
- 20 6. A system which can serve as an at least temporary sealing of a feed-through in a wall such that, after the temporary sealing, at least parts of the system can be removed in a simple manner for the purpose of feeding a transporting device such as a cable, duct or tube through the feed-through, such that during a fire taking place adjacent the wall during the temporary  
25 sealing, the feed-through is sealed off at least virtually entirely fire-tightly and preferably also smoke-tightly, the system being provided with elements manufactured from a fire-resistant material which expands under the

influence of temperature increase while the elements are manufactured from the foam according to any one of claims 1 - 4.

7. A system according to claim 5 or 6, wherein the system is designed such that the elements can be fixed in a self-clamping manner in the opening  
5 or in a casing thereof through mutual contact, contact with an inner wall of the opening or contact with the transporting device.

8. A system according to any one of claims 5 - 7, characterized in that the system can be fixed virtually fittingly within a volume which is bounded by a first outer surface of the wall and a second outer surface of the wall located  
10 opposite the first outer surface.

9. A system according to anyone of claims 5 - 8, characterized in that the system is designed such that after the system has been fixed in the opening, parts of the opening which are free from the transporting device are sealed off by the system.

15 10. A system according to any one of claims 5 - 9, characterized in that the system is designed such that after fixation in the opening, the system is ready for use.

11. A system according to any one of claims 5 - 10, characterized in that at least one of the elements is part of a plate-shaped material, which is  
20 provided with a line of weakening, the at least one element being detachable by breaking along the line of weakening in the plate-shaped material.

12. A system according to any one of claims 5 - 11, characterized in that at least one of the elements is of tube-shaped design.

13. A system according to any one of claims 5 - 12, characterized in that  
25 at least one of the elements is of plate-shaped design.

14. A system according to any one of the preceding claims, characterized in that the system is further provided with a lubricant which can be applied to a surface of each of the elements.

15. A wall with an opening extending through that wall, through which  
30 at least one transporting device such as a cable, duct or pipe has been fed,

characterized in that the opening is provided with a system according to any one of claims 6 – 15.

16. A wall with a feed-through, characterized in that the feed-through is at least temporarily sealed off with a system according to any one of claims

5 5 - 14.

17. A method for sealing off an opening extending through a wall through which opening at least one transporting device such as a cable, duct or pipe has been fed, characterized in that the method comprises: providing in the opening a system according to any one of claims 5 – 14.

10 18. A method for at least temporarily sealing off a feed-through in a wall such that, after the temporary sealing, at least parts of the sealing can be removed in a simple manner for the purpose of feeding a transporting device comprising, for instance, a cable, duct or pipe through the opening, and such that during a fire taking place adjacent the wall during the temporary sealing,  
15 the feed-through is sealed off at least virtually entirely fire-tightly and preferably also smoke-tightly, the method comprising: providing in the opening a system according to any one of claims 5 – 14.